

UNIVERSITY OF WASHINGTON
APPLIED FISHERIES LABORATORY
SEATTLE, WASHINGTON

400286

DAILY LOG

Locality Ailinginae Atoll - Enibuk Island Date October 23, 1955 Sunday
Personnel Bonham Held Weather Fair - only a light breeze.
Lowman Seymour Water conditions _____

Radiation level(s) Enibuk Island - 2 readings; west end - 0.5 - 0.05; 0.6 - 0.1.

Operations: Weighed anchor 9 a.m. Obtained ~ 0.5g sample of pulverized coral from anchor chain.

Did not leave anchorage off Rongelap Island until 0900 in order that upon arrival at Mogiri Pass, Ailinginae Atoll, the sun would be past its zenith and thus make it easier to observe coral heads as the boat entered the lagoon. None of the ship's crew had been to Ailinginae previous to this trip. The charts show only a few soundings and no swept areas. Entered the lagoon about 1330 and dropped anchor off Mogiri Island in 25 fathoms of water.

Took LCVP into Enibuk Island, the Island just east of Mogiri Island. This island was selected because it had many coconut palms while only two palms could be seen on Mogiri. Landing was made at western end of Island, lagoon side on a sand spit. This was an ideal landing spot - a steep, sand beach.

The Island had heavy vegetation, but penetrable, good beach in spots, birds, a few rats, coconut crabs, coconuts, pandanus, morinda - and no flies in other words a very "nice" island. The coconuts were small but had been used for copra. There were a few small native shacks evidently used as temporary quarters when on copra making or food gathering trips.

Coconuts, morinda, arrowroot tuber, and pandanus were collected as well as 1 rat and 7 birds. At least one other rat was seen and 2 coconut crabs were captured. (Evidence of many coconut crabs on Enibuk.)

? Cenobita was taken.

A water sample was taken from a 55 gal. drum that had standing water and salt water samples were taken from the lagoon while at anchorage.

UNIVERSITY OF WASHINGTON
APPLIED FISHERIES LABORATORY
SEATTLE, WASHINGTON

DAILY LOG

con't.
Locality Enibuk Island - Ailinginae - Date 10/23/55

Personnel _____ Weather _____

_____ Water conditions _____

Radiation level(s) _____

Operations:

Fish were collected using Prima cord with Bob Taft as powder man. One 25' charge set off in a mostly sandy area, lagoon side, near boat landing. Mullet and convict surgeon were present before detonation and these plus an occasional small wrasse and a trigger fish were killed by the blast and collected. The second charge was set off near boat landing in coral between islands. Kill was of large surgeon fish including Tang and the one with the big sail-like dorsal fin, needlefish, and an occasional damsel and wrasse. The third charge was set off in a sandy area in which there were goat fish but we missed. When landing with the LCVP there were several shark in the area but only saw one during fish collecting operations.

Frank made a bottom sand and algae collection.

calcareous alga *prob. corallina?*
Halimeda and *C. urvilliana* abundant, other algae also collected.
large oysters
Tridacna and spider snails also present and collected.

Took plankton tow on way back to ship. Poor catch-appeared to be mostly residue from Rongelap Island tow. Many birds and bonito seen from boat at east end of Mogiri Island.

Returned to LST shortly after 1800.

A pig fish was caught off the LST during the afternoon. During the evening several ^{sharks} shark, *Carcharhinus* *menosorrah*, were caught, five of which were saved i.e., they were put in the freezer.

Meter readings - similar to previous days - taken near west end of Island in brush, 0.05 and 0.5; under trees open 0.1 and 0.6.

Also soil sample from this area for AFL. (Same area as drum with water.)